

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 12. (*Cancelled*).

13. (*Currently Amended*) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

(a) a reusable portion, including

a first fluid source;

a second fluid source; and

a device adapted to mix fluids from the first and second fluid source;

and

(b) at least one per-patient disposable portion having a first end connectable to a patient of the multiple patients and a second end,

wherein, during delivery of the fluids to the patient, the second end of the at least one per-patient disposable portion couples to the reusable portion to define a continual fluid path between the first and second fluid sources and the patient.

~~a fluid path disposed between the first and second fluid sources and a the patient the fluid path comprising a mixing device, a reusable portion for delivering fluid to multiple patients, and at least one per patient disposable portion removably connected to the reusable portion, the at least one per patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.~~

14. (*Currently Amended*) The apparatus of claim 13, wherein the fluid path reusable portion further comprises at least one metering device disposed between the first and second fluid sources and the ~~mixing device~~ adapted to mix.

15. (*Previously Presented*) The apparatus of claim 14, further comprising a control device in communication with the metering device.

16. (*Currently Amended*) The apparatus of claim 13, wherein the ~~fluid-path reusable portion~~ further comprises a fluid assurance device ~~disposed between the mixing device and the patient.~~

17. (*Previously Presented*) The apparatus of claim 13, wherein the first fluid source comprises a contrast source.

18. (*Previously Presented*) The apparatus of claim 13, wherein the second fluid source comprises a diluent source.

19. – 62. (*Cancelled*).

63. (*Currently Amended*) The apparatus of claim 13 wherein the ~~mixing device~~ adapted to mix comprises a static mixer.

64. (*Currently Amended*) The apparatus of claim 13 wherein the ~~mixing device~~ adapted to mix comprises a Y element.

65. (*Previously Presented*) The apparatus of claim 14, wherein the at least one metering device comprises a peristaltic pump.

66. (*Currently Amended*) The apparatus of claim 13 wherein the ~~fluid-path reusable portion~~ further comprises a selector valve ~~disposed therein.~~

67. (*Currently Amended*) The apparatus of claim 66 wherein the selector-valve is a rotary valve switch.

68. (*Currently Amended*) The apparatus of claim 13 wherein the ~~mixing device~~ adapted to mix comprises a helical vane mixer.

69. *(Currently Amended)* The apparatus of claim 13 wherein the fluid-path reusable portion further comprises a pressurizing pump ~~disposed between the first and second fluid sources and the patient.~~

70. *(Previously Presented)* The apparatus of claim 15, further comprising a user interface connected to the control device.

71. *(Previously Presented)* The apparatus of claim 15, further comprising an electronic interface connecting the control device to a hospital information system.

72. *(Currently Amended)* An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

(a) a reusable portion, including

a first fluid source;

a second fluid source; and

~~a fluid-path disposed between the first and second fluid sources and a patient, the fluid-path comprising:~~

a Y element; and

(b) at least one per-patient disposable portion having a first end connectable to a patient of the multiple patients and a second end,

wherein, during delivery of the fluids to the patient, the second end of the at least one per-patient disposable portion couples to the reusable portion to define a continual fluid path between the first and second fluid sources and the patient.

~~a reusable portion for delivering fluid to multiple patients; and~~

~~at least one per patient disposable portion removably connected to the reusable portion, the at least one per patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.~~

73. *(Currently Amended)* The apparatus of claim 72, wherein the ~~fluid-path reusable portion~~ further comprises at least one metering device disposed between the first and second fluid sources and the Y element.

74. *(Previously Presented)* The apparatus of claim 73, further comprising a control device in communication with the metering device.

75. *(Currently Amended)* The apparatus of claim 72, wherein the ~~fluid-path reusable portion~~ further comprises a fluid assurance device ~~disposed between the Y element and the patient.~~

76. *(Previously Presented)* The apparatus of claim 72, wherein the first fluid source comprises a contrast source.

77. *(Previously Presented)* The apparatus of claim 72, wherein the second fluid source comprises a diluent source.

78. *(Previously Presented)* The apparatus of claim 73 wherein the at least one metering device comprises a peristaltic pump.

79. *(Currently Amended)* The apparatus of claim 72 wherein the ~~fluid-path reusable portion~~ further comprises a selector valve ~~disposed therein.~~

80. *(Currently Amended)* The apparatus of claim 72 wherein the ~~fluid-path reusable portion~~ further comprises a pressurizing pump ~~disposed between the first and second fluid sources and the patient.~~

81. *(Previously Presented)* The apparatus of claim 74, further comprising a user interface connected to the control device.

82. *(Currently Amended)* An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

(a) a reusable portion, including

a first fluid source;

a second fluid source; and

~~a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising:~~

a static mixer configured to mix fluids from the first and second fluid source; and

(b) at least one per-patient disposable portion having a first end connectable to a patient of the multiple patients and a second end,

wherein, during delivery of the fluids to the patient, the second end of the at least one per-patient disposable portion couples to the reusable portion to define a continual fluid path between the first and second fluid sources and the patient.

~~a reusable portion for delivering fluid to multiple patients; and~~

~~at least one per-patient disposable portion removably connected to the reusable portion, the at least one per-patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.~~

83. *(Currently Amended)* The apparatus of claim 82, wherein the fluid path reusable portion further comprises at least one metering device ~~disposed between the first and second fluid sources and the static mixer.~~

84. *(Previously Presented)* The apparatus of claim 83, further comprising a control device in communication with the metering device.

85. *(Currently Amended)* The apparatus of claim 82, wherein the fluid path reusable portion further comprises a fluid assurance device ~~disposed between the static mixer and the patient.~~

86. *(Previously Presented)* The apparatus of claim 82, wherein the first fluid source comprises a contrast source.

87. *(Previously Presented)* The apparatus of claim 82, wherein the second fluid source comprises a diluent source.

88. *(Previously Presented)* The apparatus of claim 83 wherein the at least one metering device comprises a peristaltic pump.

89. *(Currently Amended)* The apparatus of claim 82 wherein the ~~fluid path~~ reusable portion further comprises a selector valve ~~disposed therein~~.

90. *(Currently Amended)* The apparatus of claim 82 wherein the ~~fluid path reusable portion~~ further comprises a pressurizing pump ~~disposed between the first and second fluid sources and the patient~~.

91. *(Previously Presented)* The apparatus of claim 84, further comprising a user interface connected to the control device.

92. – 94. *(Cancelled)*.